LIVERMORE LAB REPORT

A c c a d c ca ac La c L
Na a Lab a , A . 8-12, 2011.

R&D

LAB FUSES WITH SPAIN

Tom s D a de la R bia, he Lab's dep direc or of S&T(cen er) i h (lef) Ja ier Uceda, presiden of he Uni ersidad Poli cnica de Madrid and Man el Perlado, direc or of he Ins i o de F sion N clear.

T Lab a d a a d d a d S a ' I d F N c a (IFN), c a a c a d c a .

T IFN a a c U dad P c ca d Mad d (UPM).

T MOU d a c a a a UPM' c b d a a a ab a d a c .

"T a d a a Lab a a d IFN b d a d cad - ad c a c a a a d d c c , a c , a a d ba c c c ," a d T D a d a R b a, LLNL d d c Sc c & T c .

T ad , W b.

A schema ic dra ing of SWAY's deep offshore ind o er and rbine.

T Ca a a a d d b , Lab
a N a c a a c d a a d.

T Lab a d a a d d a d S a , a ab
c a a a d d a ac d b d a .
Ea , S a a c d a c a N a d a
c d Pac c Oc a .

La c L c d d a c
c a a , a a a d a . T a c c d c a
c c a a d a - b c d d ab d -
c a d a .

Acc d A ca W d E A c a , d ad 2.3 c
U.S. c c b d 2010, 1.8 c a ..

T ad , W b.

Men's Health | CELLS PACK A HEARTY BOOST

Researchers ha e de ermined ha cells in he h man hear de elop in o ad l hood b looking a he amo n of carbon 14 in he a mosphere from abo e-gro nd n clear es ing in he 1950s and 1960. *Illustration by Mattias Karlén, Karolinska Institute.*

T b d ' b d b c -- c -- d c a d a a .
T a a b : M , ,
, b a a .

W , d . W a , b a , d a
a d, a , d a .

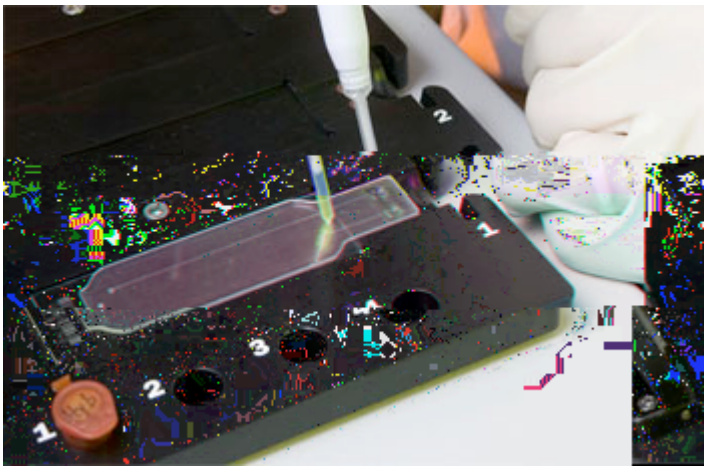
H c d b a c a d a a a a a ac .
Lab a c B c B c c a Ka a l ,
U C a d B a d L , L d U a d L d U H a , d
a c a a a ca d ad d a d a a c ,
a a , a a d d a .

B a 50, 55 c a ' c a a d b a d
45 c a b a d a ," B c a d. S c a a a
a ac , a c a ca a a a d.

T ad , W b.

PLOS one BETA
Publishing science, accelerating research

IDENTIFYING PATHOGENS THOUSANDS AT A TIME



The one-inch ide b hree-inch long La rence Li ermore Microbial De ec ion Arra ha con ains 388,000 probes ha are sed o de ec ir ses and bac eria.

A Lab-d d d c a ca a d a d a d bac a 24 c d b a b d ca c , a c a d a a c .

T La c L M c b a D c A a (LLMDA) c d d ca a d a d a , a - c a d a a a a b a ac , a d a a c d c a .

C d c , c a a c a ac (PCR) c , c a , d - b ca a . LLMDA, , ca d a b ad a a , c d a a c , c d bac a a b a c a d, a c a DNA c d d a .

T d d c b DNA a d RNA , a a , a a d a b d b .

T ad , W b.

THE BEST PACK IT IN

Lab s mmer s den s mingle i h scien is s o disc ss heir research.

E , Lab a d d c b a d b
d a d d . T d .

O T da , Lab a ad a a ac b d
a a a 160 a c a d Lab a a S d P
S .

T a , ad a c d c , a d Ba G d a , c -
c a S a L d . O 500 d ca
, ad a a ad
.

T b c a c a d a a .
U d , Lab d ca ac bac a d a a
d , G d a a d. T
ab c a c a , d a
a d c a c a d .

E d c a b c
a d d a c d c b Lab.

LLNL a a d ad a c c c a d c a a c
a d ba ab . T -d c a a c a d d ,
a c a - -d c , a c c , - a c

c a d c c / a a / b c c d ca , LLNL
a c , a d a d a d
U.S. c c c . T Lab a a a a c
, a d d b a ' c c a d
c c b a b a a a c .

T d L Lab R , d - a .

T L Lab R a c a a ab W b.